E 1.

$H :=$ Homer comes $\quad m :=$ Maggie comes $\quad L :=$ Lisa comes

$M :=$ Marge comes $\quad B :=$ Bart comes

a) $H \to M$

b) $m \vee L$

c) $(M \vee B) \wedge \neg(M \wedge B)$

d) $(B \wedge L) \vee (\neg B \wedge \neg L)$

e) $m \to (L \wedge H)$

1. m by cases (b)

   $L \wedge H$ (e)

   M (a)

   $\neg B$ (c)

   B (d)

   We have B contradicting $\neg B$. So $\neg m$

2. L by cases (b)

   B (d)

   $\neg M$ (c)

   $\neg H$ (a)

   $\neg m$ (1)

So, only Bart and Lisa come

E2.

Firstly we notice that library can't contain more than 2 books under provided conditions.
Let n be the number of books in library
Suppose $n > 2$.
Then the minimal number of all words in the books is $\sum_{k=0}^{n} k$ because every two books can't contain the same amount of words.
But since $n > 2$ we have $\sum_{k=0}^{n} k > n$.
It contradicts with the fact that number of books is less than number of all words in the books.
So, we have $n \leq 2$
Let w - number of all words in the books
Suppose $n = 0$
Then $w = n = 0$. Contradiction.
Library is not empty.
Suppose $n = 1$
The book should be empty to satisfy $b < w$
Suppose $n = 2$
In this case one book is empty and another should contain only one word to satisfy $b < w$

In both valid cases we have one empty book